

ABSTRACT OF THE DISCLOSURE

A neutral point voltage regulator of a torque sensor which has a pair of coils having inductances changing in opposite directions based on torques, and torque detecting means for outputting a torque
5 detecting voltage V_t based on a voltage difference between a first voltage and a second voltage based on respective inductance changes of the pair of coils. The neutral point voltage regulator has an ideal temperature-characteristic storing means for storing a temperature
10 characteristic of the torque detecting voltage V_t in neutral condition which is ideal temperature characteristic of which a reference neutral point voltage V_o corresponds to a reference temperature, temperature detecting means for detecting a temperature of the torque sensor, regulating voltage calculating means for calculating a neutral point
15 regulating voltage ΔV_o based on a measured torque detecting voltage V_p of the torque detecting means measured in neutral condition after assembly of the torque sensor, a detected temperature T_p detected by the temperature detecting means when measuring the torque detecting voltage, and the ideal temperature characteristic stored by the ideal
20 temperature-characteristic storing means, and voltage regulating means for regulating the torque detecting voltage V_t of the torque detecting means based on the neutral point regulating voltage ΔV_o calculated by the regulating voltage calculating means.